

**Notice of Allowability**

Application No.

09/560,703

Examiner

Tammy T. Nguyen

Applicant(s)

ALLEN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to August 1, 2006.
2. ☒ The allowed claim(s) is/are 1, 4, 5, 7-11, 13, 35, 41, 42, 44, 45, 47, 52, 53, 54.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

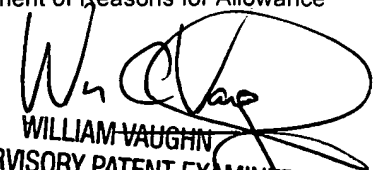
\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 8/1/06, 4/17/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 10/13/06
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
WILLIAM VAUGHN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100



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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Kasey C. Christie (reg.40,559) on October 13, 2006.

3. The applicant has been amended as follow:

1. (Currently amended) A method comprising: receiving a request from a search engine to crawl a Website;

generating an instance of a main Web page having at least one link with a dynamic address pointing to a dynamic Web page;

converting the dynamic address into a static address that also points to the dynamic Web page;

sending the instance of the main Web page to the search engine;

facilitating crawling, by the search engine, the static address located on the main Web page, so that search engine may send the static address to a user of the search engine; and re-directing the user to the dynamic Web page after selection of the static address; wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

2. (Cancelled)

3. (Cancelled)

4. (Original) A method as recited in claim 1, further comprising receiving a request for access to the main Web page, the request comprising a static address pointing to the main Web page:

5. (Original) A method as recited in claim 1, wherein the generating comprises forming the instance of the main Web page so that the main Web page contains meta-tags for facilitating indexing by a Web search engine.

6. (Cancelled)

7. (Original) A computer-readable storage medium having computer-executable instructions that, when executed by a computer, performs the method as recited in claim 1.

8. (Currently Amended) A method comprising:

receiving a request from a search engine;

generating an instance of a main Web page having at least one link with dynamic address pointing to a dynamic Web page;

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converting the dynamic address into a static address that also points to the dynamic Web page;

sending the instance of the main Web page to the search engine;

facilitating crawling, by the search engine, the static address located on the main Web page, so that the search engine may send the static address to a user of the search engine;

receiving a request from the user for the dynamic Web page, the user request including the static address pointing to the dynamic Web page; and

converting the static address to the dynamic address also pointing to the dynamic Web page.

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and

generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

9. (Original) A method as recited in claim 8, further comprising providing the dynamic address to a server.

10. (Original) A method as recited in claim 8, further comprising invoking the dynamic Web page referenced by the dynamic address.

11. (Original) A method as recited in claim 8, further comprising sending the dynamic Web page referenced by the dynamic address to the user.

12. (Cancelled)

13. (Original) A computer-readable storage medium having computer-executable instructions that, when executed by a computer, performs the method as recited in claim 8.

14-34. (Cancelled)

35. (Currently Amended) A method of providing a dynamic Web page comprising:

receiving a request from a search engine to crawl a Website;

generating an instance of an main Web page having at least one link with a dynamic address pointing to a dynamic Webpage;

converting the dynamic address into a static address that also points to the dynamic Web page;

facilitating crawling, by the search engine, the static address located on the main Web page, so that the search engine may send the static address to a computer on a network;

receiving a request for the dynamic Web page from the computer on the network, the request including the static Web address pointing to dynamic Web page;

generating an instance of the dynamic Web page such that contents of the instance appears as a static Web page; and sending the dynamic Web page to the computer;

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and

generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

36-40 (Cancelled)

41. (Currently Amended) A Web site system comprising:

a Web server hosting a dynamic Web site and facilitated to provide access to a search engine;

a database storing data used by the Web server to generate dynamic Web pages of the dynamic Web site, the database being operatively coupled to the Web server;

a dynamic to static (D-to-S) Web address converter, the converter being operatively coupled to the Web server, the D-to-S Web address converter being configured to convert a dynamic address pointing to a dynamic Web page into a static address also pointing to the dynamic Web page in order to allow the search engine to crawl the Web site; and

a static to dynamic (S-to-D) Web address converter, the converter being operatively coupled to the Web server, the S-to-D Web address converter being configured to convert a static address to a dynamic address pointing to a dynamic Web page in response to a user selecting the static address as provided to the user by the search engine;

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

42. (Currently Amended) A Web site system comprising:

a Web server hosting a dynamic Web site;

a database storing data used by the Web server to generate dynamic Web pages of the dynamic Web site, the database being operatively coupled to the Web server; and

a dynamic to static (D-to-S) Web address converter, the converter being operatively coupled to the Web server;

the D-to-S Web address converter being configured to convert a dynamic address pointing to a dynamic Web page into a static address also pointing to the dynamic Web page; and

wherein the system is configured to create an instance of a main Web page containing the converted static address, in response to a request from a search engine to crawl the Web site, and is configured to facilitate crawling, by the search engine, the static address located on the main Web page, so that the search engine may send the static address to a user of the search engine;

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and

generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

43. (Cancelled)

44. (Currently Amended) A server comprising:

a processor;

a dynamic to static (d-to-S) Web address converter executable on the processor to;

convert a dynamic address pointing to a dynamic Web page into a static address also pointing to the dynamic Web page; and generate an instance of a main web page containing the static address in order to facilitate crawling by a search engine;

a static to dynamic (S-to-D) Web address converter executable on the processor to:

convert the static address pointing to the dynamic Web page into the dynamic address that also points to the dynamic Web page;

wherein the S-to-D Web address converter converts the static address in response to selection of the static address by a user of the search engine;

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

45. (Currently Amended) A server comprising:

a processor;

a dynamic a static (D-to-S) Web address converter executable on the processor to: convert a dynamic address pointing to a dynamic Web page into a static address also pointing to the dynamic Web page; and

generate an instance of a main Web page containing the static address in order to facilitate crawling by a search engine;

a static to dynamic (S-to-D) Web address converter executable on the processor to:



parse the static address to identify at least one value associated with a field within the static address; and generating the dynamic address incorporating at least one value associated with the field, wherein the dynamic address points to the dynamic Web page; wherein the S-to-D Web address converter parses and generates in response to selection of the static address by a user of the search engine.

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and

generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

46. (Cancelled)

47. (Currently Amended) A system for hosting dynamic Web sites comprising:  
a Web server for dynamically generating an instance of a dynamic Web page; and  
a spider-friendly Web page generator configured to:

generate, in response to a request from a search engine spider to crawl the Web site an instance of a main Web page having at least one link with a dynamic address pointing to a dynamic Web page;

convert the dynamic address into a static address that also points to the dynamic Web page;

send the instance of the main Web page to the search engine spider in order to facilitate crawling of the Web site by the search engine spider; and

a static to dynamic (S-to-D) Web address converter to re-direct a user of the search engine to the dynamic Web page after selection of the static address;

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and

generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

48-51 (Cancelled)

52. (Currently Amended) A computer-readable storage medium having computer executable instructions that, when executed by a computer, performs a method comprising:

receiving a request from a search to crawl a Website;

generating an instance of a spider-friendly Web page having at least one link with a dynamic address pointing to a dynamic Web page;

converting the dynamic address into a static address that also points to the dynamic Web page;

sending the instance of the spider-friendly Web page to the search engine;

facilitating crawling, by the search engine, the static address located on the spider-friendly Web page, so that the search engine may send the static address to a user of the search engine; and

re-directing the user to the dynamic Web page after selection of the static address;

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and

generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

53. (Currently Amended) A computer-readable storage medium having computer executable instruction that, when executed by a computer, performs a method comprising:

receiving a request from a search engine to crawl a Website;

generating an instance of a spider-friendly Web page having at least one link with a dynamic address pointing to a dynamic web page;

converting the dynamic address into a static address that also points to the dynamic Web page;

sending the instance of the spider-friendly Web page to the search engine;

facilitating crawling, by the search engine, the static address located on the spider-friendly Web page, so that the search engine may send the static address to a user of the search engine;

receiving a request for the dynamic Web page, wherein the request includes the static address pointing to the dynamic Web page; and

converting the static address to the dynamic address that also pointing to the dynamic Web page;

wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and

generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page.

54. (Original) The computer-readable storage medium of claim 53 having computer-executable instructions further comprising:

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parsing the static address to identify at least one value associated with a field within the static address; and

generating a dynamic address incorporating at least one value associated with the field, wherein the dynamic address points to the dynamic Web page.

55-56 (Cancelled).

4. The following is an examiner's statement of reasons for allowance:

In interpreting the claims, in light of the specification and the applicant's arguments filed on July 3, 2006 the examiner finds the claimed invention to be patentably distinct from the prior art of record.

5. <http://web.archive.org/web/1991007105720/www.pstruh.cz/help/urlropl/library.htm>., teaches a the ISAPI filter replaces defined parts of URL from browser. It enables url to scripts (.ssp, cgf, ldc) with parameters look like static html pages of specify exact download filename generated by script, and configure filter by http, downloading and run urlrepl.exe. A filter added at the web site level is automatically loaded when needed it.

6. Jody K. Smith., (US 6,018,748), teaches a machine implementation of the invention an apparatus for displaying dynamic links in browser program has an application module, an input processing module, and an adapted to operate with the browser program, creates a link label associate with a first network address and can associate the link label with a second network address in response to user input at the remote user station. The input processing module processes user input received in the browser during operation of the application module and detects the relative location of an input device, such as a keyboard mouse. A link label modification module modifies the link label with a second network address.

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Finally, a parameters formation module can form passable these parameters can be passed to other application programs download to the remote user station.

7. However, the prior art of record fails to teach or suggest individually or in combination that a method comprising: receiving a request from a search engine to crawl a Website; generating an instance of a main Web page having at least one link with a dynamic address pointing to a dynamic Web page; converting the dynamic address into a static address that also points to the dynamic Web page; sending the instance of the main Web page to the search engine; facilitating crawling, by the search engine, the static address located on the main Web page, so that search engine may send the static address to a user of the search engine; and re-directing the user to the dynamic Web page after selection of the static address; wherein the converting comprises: parsing the dynamic address to identify and separate fields within the dynamic address, wherein at least one field has a value; and generating a static address incorporating the value of at least one field, wherein the static address points to the dynamic Web page as set forth in independent claims 1, 8, 35, 41, 42, 44, 45, 47, 52, 53, . Claims 4, 5, 7, 9-11, and 13 are allowed because of the combination of other limitations and the limitation listed above.

8. The examiner finds the Applicant's arguments on pages 20-23 of the Remarks filed on July 3, 2006 to be persuasive. The applicant argued in substance that the combination of prior art of record fail to disclose the feature of the invention. Also see specification, pages 16-17 and pages 25-28.

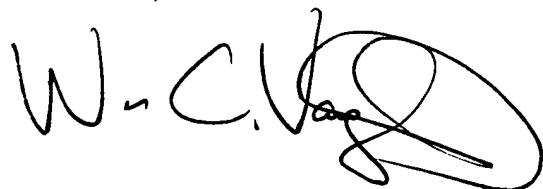
9. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Examiner's Amendment".

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammy T. Nguyen whose telephone number is 571-272-3929. The examiner can normally be reached on Monday - Friday 8:30 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *William Vaughn* can be reached on 571-272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TTN  
October 14, 2006

A handwritten signature in black ink, appearing to read "W. C. Vaughn", with a large, stylized loop at the end.

WILLIAM VAUGHN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100